

Exhibit C.9a Test Area North Facilities - Deactivate/Demolish

Building Number	Building Name	Area (sq ft)	Number of Floors	Number Below Grade	Year Built	Facility Construction/Characteristics	Facility Usage/Capabilities	Occupied	Contaminated	Type	Level	Related Documents	Comments
TAN-603	Service Bldg/Steam Plant	11683	2	0	1954	Masonry Exterior Walls TAN-603 is a one story building containing a first aid station, driver sleeping area, a vehicle repair shop and a boiler room. Area: 933 m 2 (10048 ft 2). Built in 1954. Masonry exterior walls building. Building features: One story. Walls are pumice block. Roof is built up with steel trusses and metal deck. Floor is concrete. Ceiling height is .74 m to 1.4 m (8 to 15 ft). Floor load capacity is 2000 psi. Utilities: Power supply 480 V. Emergency power 480 V. Heated by steam. Fire and evacuation alarms. Cooling, ventilation, plant air 100 psi. Sprinkler system, three water softeners. Propane fuel tank 500 gal. Diesel day tank 250 gal. The majority of the remainder of the facility is made up of gypsum board on wood studs. The interior finish is primarily painted gypsum board, masonry and 2x4 mineral ceiling tile.	The primary function of TAN-603 is as a boiler house. The building also houses a first aid station, bunkhouse, and vehicle maintenance facility	Yes	Yes	abg	<20dpm a 24,000dpm b,g	HAD-89, HAD-57	Possible contaminated piping and sump
TAN-606	Maintenance Building	5752	1	0	1954	Masonry Exterior Walls	Was a maintenance shop and then a carpentry and paint shop. Most recently used for storage of non-hazardous materials.	No	No				Decomissioned Rad source deep well in facility. PBI for FY04 demolition.
TAN-607	Hot Shop/Manufacturing & Asmby	150701	5	1	1954	Masonry Exterior Walls. TAN-607 is the largest and most complex facility in the TSF portion of TAN. It includes a large hot shop, a warm shop, a spent fuel storage pool, and a hot cell with an underlying tunnel, and various water treatment, ventilation, utility and equipment and storage areas. The TAN Hot Shop is a large, shielded high bay with overhead cranes, a large overhead manipulator, auxiliary wall-mounted manipulators, and other equipment for remote handling of radioactive material. Twelve ports for the shielding windows are built at different elevations into the north and south TAN Hot Shop walls. Nine of these ports contain windows and three contain high-density concrete shield plugs. These windows are combination-type shielding windows containing mineral oil, zinc bromide, and leaded glass. One window, Window G, contains demineralized water instead of zinc bromide. The SES room is an extension on the east end of the TAN Hot Shop.	Nuclear Contaminated Storage Spent Fuel has been removed. Final disposition of the storage pool materials and water is underway.	Yes	Yes	bg	8000dpm	TANO-SAR SAR-208(draft); ASA for TAN-607A, SAR for TAN Operations, INEL-94/0163	Hazard Category 2: TAN Operations area consists of TAN-607, TAN-647, TAN-648, TAN-790, TAN-791, and TAN-1703. Rad Levels up to 400mR/hr Hot shop 80mR/h Hot Cells. Also see VCO SITE-TANK-005 system TAN-031. Utilities include water, fire water, sewer, electrical, and telephone/computer.
						The finished floor elevation of the SES room is approximately 13 ft above the Hot Shop floor, and a 5-ft thick concrete parapet, separating the SES room from the Hot Shop, rises another 13 ft above the SES room floor.12 A set of 5ft thick biparting concrete shield doors isolate the SES room from the Hot Shop. These doors extend from the parapet to the roof. A 110/10-ton overhead crane is the major lifting device for handling casks and other heavy equipment in the TAN Hot Shop. The Hot Shop also contains an overhead manipulator. The manipulator (O-man) is a heavy duty, bridge- and trolley-mounted, remote electromechanical manipulator. A set of rails mounted on a wall ledge below the 110/10 ton overhead crane carries the manipulator bridge the full length of the TAN Hot Shop and SES. Three wall-mounted, electromechanical manipulators in the TAN Hot Shop are capable of performing tasks throughout most of the Hot Shop, excluding the SES room. Floor-mounted service pedestals, one in front of each window, provide various utilities to the Hot Shop.	TAN-607 also contains the PREPP facility which is a rotary kiln incinerator wholly contained within in a high bay in TAN-607. The incinerator was never used beyond trial burns and was RCRA closed. Systems are still in place.						
						The TAN Hot Cell, located adjacent to the southeast corner of the TAN Hot Shop, is a conventional, shielded, remote manipulator laboratory used for specialized disassembly, inspection, and examination. The walls are 4 ft thick, and are made of high-density reinforced concrete and lined with stainless-steel sheets. The TAN Warm Shop is located adjacent to the south wall of the TAN Hot Shop and has a usable floor area that is approximately 40 ft wide. A bridge crane containing two hooks services the Warm Shop area. The capacity of the main hook is 30 ton and the capacity of the auxiliary hook is 5 ton.							
TAN-608	Water Filtration Building	334	1	0	1954	Reinforced Concrete	Supports TAN-607 storage pool.	No	Yes	bg	120dpm		Asbestos posted, rad levels 6mR/h, Contaminated Equip and piping. Posted as rad buffer area.
TAN-611	Fuel Pump House	419	1	0	1954	Masonry Exterior Walls Area: 38.9 m 2 (419 ft 2). Built: 1954, Construction Type: Masonry Exterior Walls, Building Features: One story. Walls: pumice block. Roof: built up with steel trusses and metal roof deck. Floor: concrete, Utilities: Power 480 V, 120 V, 480 V	Currently in use. Pumps fuel from the TAN-704 tank to the TAN-603 boilers.	No	No			HAD-89	asbestos posted
TAN-618	Data Collection Bldg	134	1	0	1985	Steel Framed, contains office furniture and data collection equipment.	Used for data collection from instrumentation at TAN, particularly SNF storage casks on Pad TRA-791.	No	No				Contains Furniture & Equipment. Posted for asbestos.
TAN-623	Sewage Pump House	108	1	0	1954	Masonry Exterior Walls Area: 10 m 2 (108 ft 2). Built: 1954, Construction Type: Masonry Exterior Walls, Building Features: One story. Walls: pumice block. Roof: wood rafters and deck with felt roofing. Floor: concrete, Utilities: Power: 480V, water, alarm.	Active sewage transfer station	No	Minor probable	bg			RAD Special instructions posted, Contact RADCON Before performing work
TAN-624	Containment Building	3036	1	0	1956	Steel Framed TAN-624 is the entry building for the reactor containment building (TAN-650). It is constructed of steel with steel siding and roof. The concrete floor has a four-track rail for entry of the LOFT mobile test assembly on a railroad flatcar into TAN-650. It is attached to the south side of TAN-650.	The concrete floor has a four-track rail that was used for entry of the LOFT mobile test assembly into TAN 650. Currently out of service.	No	Yes	bg	200000dpm	ASA-650	At CTF/LOFT area. All systems could have contamination.
TAN-628	Warehouse	19549	2	0	1956	Masonry Exterior Walls	Currently in use as a warehouse storage facility, but is mostly unoccupied.	No	No			HAD-227	
TAN-630	Control & Equipment Bldg	22354	2	1	1959	Reinforced Concrete TAN-630 is the control and equipment building for LOFT. It is a two-level structure covered with an earth berm. The ground level houses the control room, data rooms, office space, and operations support rooms. The basement contains facility utility systems that are not in use. A tunnel connects TAN-630 with TAN-629, which is the SMC assembly building, but for SMC security purposes, the door between TAN-629 and TAN-630 is welded shut.	LOFT Control building, not use, limited electrical and emergency systems in operation to support SMC	No	Yes	bg	minor probable in systems	ASA-650	At CTF/LOFT area. RAD Special Instructions posted, Contact RADCON Before performing work, possible internal system contamination. See VCO SITE-TANK-005 systems TAN-001, -008, and -010.
TAN-631	Tank Building	1625	1	0	1959	Masonry Exterior Walls TAN-631 Area: 150 m 2 (1625 ft 2). Built: 1959. Construction type: Masonry exterior walls. Concrete block with metal roof. Demineralized water tanks. Utilities: Disconnected.	Houses LOFT Demin water tanks and piping. Not currently in use	No	No			HAD-107	At CTF/LOFT area. See VCO SITE-TANK-005 systems TAN-001and TAN-008.

Exhibit C.9a Test Area North Facilities - Deactivate/Demolish

TAN-633	Hot Cell Annex	3296	1		0	1954	Masonry Exterior Walls. Hot cell facility.	TSF hot cell facility, not currently in use, limited utility support at the present time. Supported various TAN-607 operations and experiments.	No	Yes	bg	<1000dpm	HAD-227 TANO-SAR	Currently Out of Service, Rad levels <1mR/h
TAN-635	H&V 10 (So. CAM) Bldg.	192	1		0	1979	Masonry Exterior Walls TAN-635 Area: 17.8 m 2 (192 ft 2). Built: 1979. Construction type: Masonry exterior walls. One story. Concrete block walls. Roof corrugated metal. Continuous air monitors (CAM). Utilities: Electric power	CAM shack. Out of service. Housed CAM for general facility environmental monitoring.	No	No			HAD-107	At CTF/LOFT area.
TAN-636	Carpentry & Paint Shop	2331	1		0	1967	Steel Framed 636 Area: 216.6 m 2 (2,331 ft 2). Built: 1967. Construction Type: Steel Framed. Building Features: One story. Light steel structure with finished interiors. 1-ton jib crane and 1/2 ton monorail crane. Floor: concrete. Ceiling height: 3.7 m (12 ft). Utilities: Power supply greater than 440V, water, steam and condensate, sprinkler system, alarm, exhaust fans, sawdust collectors, spray booth fume hood, air conditioning, telephones.	Carpentry and paint shop that support the TAN area. Currently in use.	Yes	No			HAD-89	
TAN-637	Compressor Bldg.	87	1		0	1958	Prefabricated/modular TAN-637 Area: 8.1 m 2 (87 ft 2). Built: 1958. Construction type: Steel framed. Prefabricated metal building. Utilities: Electrical power.	Housed a plant air compressor at LOFT facility. Not in service.	No	No			HAD-107	Asbestos likely.
TAN-640	Assbly & Test Building	3345	1		0	1958	Reinforced Concrete	Assembly Facilities. Out of service.	No	Yes, minor possible				At WRRTF area. Possible contaminated sump and areas of fixed or incidental contamination.
TAN-641	Control And Equip Bldg.	14675	1		0	1958	Masonry Exterior Walls 641 1363.4 m 2 (14,675 ft 2) area. Built in 1958. Construction Type: Masonry Exterior Walls. Building Features: One story. A portion of the building exterior walls is 8-in. HCB and a portion is high-density concrete. Metal decking, four-ply fiberglass and asphalt roofing with rock surface, Insulate. Concrete floor. Connected to TAN-640. Utilities: Power. Water. Steam. Fire sprinkler system.	WRRTF area, deplorable condition, very limited utilities. Out of service.	No	Yes, minor possible			HAD-89	At WRRTF area. Possible contaminated sump and areas of fixed or incidental contamination. Also see VCO SITE-TANK-005 systems TAN-039 and TAN-040.
TAN-642	Guard House	128	1		0	1957	Masonry Exterior Walls 642 Area: 11.9 m 2 (128 ft 2). Built: 1957. Construction Type: Masonry Exterior Walls. Building Features: One story. 8-in. concrete block walls. Four-ply asphalt and asbestos roofing with rock surface. Utilities: Power underground, evacuation control system, telephone.	WRRTF area guard and access facility. Out of service.	No	No			HAD-89	At WRRTF area.
TAN-643	Chlorination Bldg.	64	1		0	1957	Wd Frame, Siding, Asp Roof 5.9 m 2 (64 ft 2). Built: 1957, Construction Type: Masonry Exterior Walls, Building Features: One story wood building with wood floor, Utilities: Raw water and electric power.	WRRTF area, equipment not in service. Out of service.	No	No			HAD-89	At WRRTF area. Part of Sewage treatment system. Out of Service
TAN-644	Deepwell Pump House	311	1		0	1957	Masonry Exterior Walls 644 Deep well pump. Area: 28.9 m 2 (311 ft 2). Built: 1957, Construction Type: Masonry Exterior Walls, Building Features: 8-in. pumice concrete block building. One half of the roof is removable and is covered with asphalt. The other half is 4-ply fiberglass and asphalt, insulated with plastic foam on top of roofing Utilities: 6-in. water piping for raw water and firewater	WRRTF area. Equipment not in service. Out of service.	No	No			HAD-89	
TAN-645	Control & Administration Bld.	8146	1		0	1960	Masonry Exterior Walls	WRRTF area, deplorable condition, limited utility service. Out of service.	No	No				At WRRTF area.
TAN-646	Assembly & Test Building	16870	3		1	1965	Steel Framed	WRRTF area, deplorable condition, limited utility service. Out of service.	No	Minor possible				At WRRTF area. See VCO SITE-TANK-005 systems TAN-004.
TAN-648	Storage Building	6682	1		0	1960	Steel Framed TAN-648 is a 69 ´ 96 □ ft building constructed of corrugated sheet metal on a steel frame. The entire floor is a concrete slab with a rated capacity of 2,500 lb/ft2. Personnel access doors are located on both the north and south walls of each building. Electrically operated equipment doors are located on the north wall.	Currently in use for Nuclear Contaminated Storage	No	Yes	bg	360dpm	TANO-SAR HAD-227	Hazard Category 2: TAN Operations area consists of TAN-607, TAN-647, TAN-648, TAN-790, TAN-791, and TAN-1703. 34 Cs 137 Sources in Storage, Rad levels .5mR/h to 100mR/h
TAN-649	Water Filtration Building	210	1		0	1956	Masonry Exterior Walls. Entrance through TAN-608.	Currently in use to support TAN 607 storage pool.	No	Yes	bg	2400dpm		Contaminated piping. Posted Rad Buffer Area.
TAN-650	Containment Service Building	34666	5		1	1973	Steel Framed. The central component of CTF (LOFT) is the TAN-650 containment vessel, a 30-m high steel dome designated TAN-650. The containment vessel housed the mobile test assembly, which was a scaled-down, pressurized water reactor mounted on a four-rail railroad dolly. The ground floor of TAN-650 contained the mobile test assembly (now an empty shell), with the basement used for the primary reactor coolant system, piping, and other equipment. TAN-650 is the containment building and is constructed of steel and reinforced concrete. The containment building is a 70-ft-diameter, vertical, steel cylinder with a hemispherical top and torospherical bottom. The top is 97 ft from the main floor. The containment basement contains support equipment. Access from TAN-624 into TAN-650 (on north side) is via a moveable 33 × 22-ft steel door. The equipment portion of TAN-650 is four-stories high with basement, and houses various inoperable reactor support systems.	Out of service.	No	Yes	bg	10,729dpm	ASA-650 and Hazard Classification for the Contained Test Facility (EDF-3752)	At CTF/LOFT area. All building systems may be contaminated. Also see VCO SITE-TANK-005 systems TAN-004, -012, -013, and -020 (mercury contamination in sumps).
TAN-652	Fire Protection Pump House	676	1		0	1965	Masonry Exterior Walls Area: 62.8 m 2 (676 ft 2). Built: 1965, Construction Type: Masonry Exterior Walls. Building Features: One story. Masonry exterior walls, steel frame. 4-ply fiberglass and asphalt roof insulated with plastic foam on top. 350 gal diesel tank. Utilities: Power, raw water line from adjacent storage tanks, process drain.	WRRTF area, fire protection equipment. Out of service	No	No			HAD-89	At WRRTF area.
TAN-655	Liquid Waste Lift Station	225	1		1	1972	Reinforced Concrete Area: 20.9 m 2 (225 ft 2). Built: 1972. Construction Type: Reinforced Concrete. Building Features: One story. Walls: concrete. Roof: concrete. Floor: concrete. Underground concrete sump. Utilities: Power, potable water, alarm panels (level and flow alarm).	Sewage lift station. Active.	No	Yes, minor probable	bg			RAD Special Instructions Posted
TAN-659	Control Building	128	1		0	1976	Masonry Exterior Walls. TAN-659 is the control building and houses communication and control system equipment.	LOFT area Communications/Control Centers	No	Yes, minor possible			ASA-650	At CTF/LOFT area. Building systems potentially contaminated
TAN-663	H&V 10 (N Cam)	63	1		0	1979	Masonry Exterior Walls TAN-663 Area: 5.9 m 2 (63 ft 2). Built: 1979. Construction type: Masonry exterior walls. One story. Concrete block walls and corrugated metal roof. Utilities: Electrical power. CAM-NORTH OF CTF PERIMETER FENCE	CAM shack. Not in service. Housed CAM for general facility environmental monitoring.	No	No			HAD-107	

Exhibit C.9a Test Area North Facilities - Deactivate/Demolish

TAN-666	Rad. Liq. Wst. Tnsfr.& Stg.	1599	1	0	1980	TAN-666 is a steel-reinforced concrete structure located west of the TAN Hot Shop, across the paved access road. The facility was designed to receive and temporarily store liquid waste generated in the TAN Hot Shop, Hot Cell, and Hot Cell Annex. The building contains a tank vault, pump vault, filter shed, and outside concrete pad. The tank vault contains two 15,000-gal storage tanks that rest horizontally, side by side, with a 5 ft high concrete wall separating them. The pump vault contains a vertical 600-gal capacity surge tank and two 200-gpm waste transfer pumps. The pumps transfer liquid waste from either storage tank or the surge tank to another storage tank, or to a transfer truck for disposal. The filter shed contains a cyclone separator and associated piping, which is used to filter out particulates from the waste to prevent clogging and to help minimize the buildup of sludge in the storage tanks. The material collected by the separator is directed to a sludge tank. The sludge tank was designed to be removed, cleaned, and replaced as required	Nuclear Waste Processing And/Or Handling Building	No	Yes	bg	934dpm	TANO-SAR, HAD-227	Rad Levels 2mR/h to 300mR/h
TAN-668	Heavy Equipment Cleaning	2760	1	0	1985	Steel Framed The HECF, also known as the Hot Shop extension, provides a waiting area for trucks and components scheduled to enter the TAN Hot Shop. The HECF may also be used as a temporary storage of waste and other materials used during operations	Currently in use to support TAN Hot Shop activities. This building is a vestibule to the hot shop in TAN-607. It is used for staging and cleaning equipment entering or leaving the hot shop.	No	yes	bg	107dpm	TANO-SAR	Asbestos Posted
TAN-670	Chlorine Treatment Bldg	48	1	0	1954	Wd Frame, Siding, Asp Roof TAN-670 Area: 4.5 m 2 (48 ft 2). Built: 1954. Construction Type: Wood Frame, Siding, Asphalt Roof. Building Features: One story. Walls: wood. Roof: wood. Floor: wood. Utilities: Power, water, electric heat.	For sewage system. Out of service.	No	No			HAD-89	Out Of Service, Asbestos posted
TAN-686	Office Trailer	3000	1	0	1985	Trailer (personal Property) TAN-686 Area: 278.7 m 2 (3,000 ft 2). Built: 1985. Construction Type: Trailer (personal Property). Building Features: Double wide trailer	Office space attached to TAN 607	Yes	Yes, minor	bg		HAD-89	Possibly contaminated shower, Asbestos posted
TAN-694	Tank Storage Building	597	1	0	1985	Masonry Exterior Walls	Nuclear Contaminated Storage Tank, part of TAN 607 complex	No	yes	bg			Internal contaminated tank and piping. Asbestos posted
TAN-695	Hazardous Materials Storage	432	1	0	1993	40.1 m 2 (432 ft 2) area. Built in 1993. Used for Hazardous/ Flammable Storage. Construction Type: Other. Building Features: One story factory assembled. Utilities: Power. Dry chemical extinguishing system	Hazardous/Flammable Storage	No	No			HAD-89	Asbestos posted
TAN-1601	Storage Bldg	560	1	0	1994	Steel Framed, Currently empty 1601 Area: 52 m 2 (560 ft 2). Built: 1958. Construction Type: Steel Framed.	Storage Shed used for occasional storage of materials	No	No			HAD-89	empty
TAN-1610	Hazardous Material Storage Bldg	150	1	0	1999	Prefabricated/modular1610 Area: 5.9 m 2 (63 ft 2). Construction: Other. Building Features: One story factory assembled metal building. Utilities: Dry chemical extinguishing system.	Hazardous/Flammable Storage Inactive	No	No			HAD-89	WRRTF Area South east of TAN-640, Waste Area Group 1, ROD
TAN-703	Exhaust stack					TAN-703 is located south of TAN-630 adjacent to fuel tanks. Boiler exhaust. Approximately 0.6 m 2 (9 ft 2) square concrete exhaust pipe.	Out of service	No				HAD-107	Exhaust Stack CTF area south of TAN-630
TAN-704	Boiler fuel tank					TAN-704 720000 L (190000 gal) capacity. Berm capacity: 870000 L (230000 gal)	Currently in use. Supplies fuel to boilers in TAN-603.		No			HAD-89	TSF Area, 190,000 Gal, Currently in use
TAN-711	Sewage treatment plant					TAN-711 Area: 45 m 2 (490 ft 2). Primary treatment. Capacity: 30000 L/day (8000 gal/day).	Active trickling filter sewage treatment		Minor Probable			HAD-89	TSF area Currently in operation
TAN-716	Exhaust duct stack					Part of TAN-630 bldg. Ventilation exhaust sytem. Steel stack. ~3 feet dia. Extends about 15 feet above TAN-630.	Out of service		No			HAD-107	At CTF Area, Shutdown Pending D&D, south of TAN-630
TAN-717	Helicopter pad					TAN-717 Area: 25.8 m 2 (278 ft 2) concrete pad. Utilities: none.	Not in use		No			HAD-89	Not in Use Pending D&D
TAN-719	Shielded roadway to TAN-630					Berm covered corrugated metal covering over drive way. It extends ~ 900 feet to the east from TAN-650.	Out of service		No			HAD-107	CTF/LOFT Facility Inactive facility
TAN-720	Concrete storage cask					Out-door concrete storage pad. Also known as Radioactive Parts Security Storage Area (RPSSA)	Used to store rad. contaminated equipment and cask. Cask may be contaminated.		?				TSF Area, RPSSA Concrete Storage Casks, Near TAN-648
TAN-721	Concrete storage cask					Out-door concrete storage pad. Also known as Radioactive Parts Security Storage Area (RPSSA)	Used to store rad. contaminated equipment and cask. Cask may be contaminated.		?				TSF Area, RPSSA Heat Removal Storage Cask, Near TAN-648
TAN-722	Substation 1500 kVA					Located east of TAN-607 embankment. Fenced yard. Area: 35 m 2 (380 ft 2). Transformer 5-225. Capacity: 1500 KVA Voltages: 13.8 kV to 480 V.	In service		No			HAD-89	TSF Area, Supplies TAN-607
TAN-723	Brine pit					Part of TSF TAN -607 Demineralizer water system. Concrete pad covering at ground surface. 6,000 gal.	Out of service		No			HAD-89	
TAN-725	Vault exhaust stack					TAN-725 is the vault exhaust stack and is presently shut down pending D&D. Free standing ~ 180 feet tall metal stack with concrete base about 6 feet in dia.	Out of service		No			ASA-650	CTF Area
TAN-726	Hot liquid waste storage tank vault					TAN-726 is a 100,000 gal. the hot liquid waste storage tank/vault, which houses a waste tank. The tanks have been decontaminated and decommissioned as part of a Resource Conservation and Recovery Act (RCRA)-regulated closure action and the inlet piping has been blanked off. TAN-726A is the cleanup building for TAN-726 and previously contained an ion exchange waste-water purification system. Waste-water piping from TAN-650 is blanked off to TAN-726.	Out of service		Probable internal			ASA-650	CTF Area 100,000gal
TAN-727	Covered stairs east of TAN-607					TAN-727 Area:56 m 2 (600 ft 2). 30 m (100 ft) long concrete steps covered by sheet metal shelter. Utilities: 125 V lighting.	In use		No			HAD-89	Pedestrian walkway ,Currently in use

Exhibit C.9a Test Area North Facilities - Deactivate/Demolish

TAN-728	Water tank				TAN-728 280000 L (75000 gal) capacity. Main potabel water storage tansk for WRRTF.	Out of Service		No		HAD-89	WRRTF Area, Shutdown Pending D&D
TAN-729	Electrical substation				TAN-729 Area: 24 m 2 (260 ft 2). Substations. Capacity: KVA. Voltages: 13.8 kV to 480 V.	Largely out of service. Minimal current for facility lighting.		No		HAD-89	WRRTF Area Substation
TAN-730	Electrical substation				Area: 80 m ² (860 ft ²). Substations. Capacity: KVA. Voltages: 13.8 kV to 480 V.	Largely out of service. Minimal current for facility lighting.		No		HAD-89	WRRTF Area Substation
TAN-731	Water storage tank				TAN-731 WRRTF AREA 450000 L (120000 gal) capacity. Fire waste storage tank.	Out of service		No		HAD-89	WRRTF Area 120,000 gal
TAN-733	Fire water tank				500,000 gallon, above-ground, vertical sylindrical tank. Added per 9/29 note from Shirley. It is inactive and has been replaced by 1749.	Out of service		No			CTF area
TAN-734	Exhaust stack (TAN-607)				Main ventilation stack for TAN-607. ~ 200 feet high steel stack. ~ 4 feet in dia. At base. Free standing. At NE corner of TAN-607.	In service		Minor possible			TSF Area Currently in use
TAN-736	Septic tank				TAN-736 is a buried 4,000-gal septic tank and is presently shut down pending D&D.	Shut down		Minor possible		ASA-650	CTF area
TAN-737	Septic tank				TAN-737 is a buried 5,000-gal septic tank and is presently shut down pending D&D.	Shut down		Minor possible		ASA-650	CTF area
TAN-740	Liquid waste disposal pond				TAN-740 South west of TSF area. Also know as TSF-07 environmental area. A 35 acre unlined disposal pond. Parts of it with radiological contaminated in counts per minute.	In service		Yes, minor		HAD-89	TSF Area
TAN-742	Waste holding tanks TK 709 and 710				V-13 and V-14 waste tanks associated with TAN-607 and TAN-616 waste water system. V-13 contains approximately 1,870 gal of sludge with a few ton of earthen material added to absorb liquids. V-14 contains approximately 370 gal of sludge and a few ton of earthen material added to absorb liquids.	Part of CERCLA OU 1-10 remedial action.				ROD for OU 1-10, (AR DOE/ID-10682) October 1999. (amended ???); SAR-208 (draft)	PM-2A Tanks, Currently undergoing Chacterization, Rad Area, Soil Contamination area
TAN-744	Inlet gas supply platform				4' X 4' concrete pad, tubing and connections for gas bottles. Also has a metal frame and metal roof cover	Out of service.		No		HAD-107	CTF/LOFT Area
TAN-745	Secondary coolant system rec.				~ 8' X 8' steel framed metal shed-type structure. Part of the secondary coolant system for the L	Out of service		Minor, system internals possible			ASA-650 CTF/LOFT Area, Inactive
TAN-746	Condensor shelter				~ 50' X 50' metal enclosure for secondary cooling system.	Out of service		Minor, system internals possible		HAD-107	See VCO SITE-TANK-005 system TAN-004. CTF/LOFT area
TAN-747	Steam tanks				Four metal, cylindrical, horizontal, above-ground tanks. Asbestos insulation likely. Each tank > 20,000 gal.	Out of service		No			WRRTF area, Inactive, Shutdown Pending D&D
TAN-750	Liquid waste disposal pond				TAN-750 was the liquid waste disposal pond. The pond is located well behind TAN-629 (the SMC assembly building) to the north, and is outside of the security fence surrounding SMC and CTF. Use of the pond was stopped in 1995 and it is presently shut down pending D&D.	Shut down in 1995		No		ASA-650	CTF Area North of TAN-629(SMC)
TAN-754	Propane tank				500 gal., above ground standard propane tank	Out of service		No			WRRTF Area 500 gal
TAN-756	Propane tank				1,000 gal., above ground standard propane tank	Out of service		No			WRRTF Area 500 gal
TAN-757	Propane tank				500 gal., above ground standard propane tank	Out of service		No			WRRTF Area 500 gal
TAN-758	Suppression air tank				5,730 gal., above-ground, horizontal, metal tank.	Out of service		No			WRRTF Area
TAN-759	Diesel fuel tank				350 gal. diesel fuel tank. Supplied fire water pump in TAN-652	Out of service		No			WRRTF Area 350 gal
TAN-762A	Sewage system pond				Unlined process water pond (WRRTF Area: 27,130 ft²).	Out of service		No		HAD-89	WRRTF Area
TAN-762B	Process Waste Water Pond				Unlined process water pond (WRRTF Area: 35,800 ft²)	Out of service		No		HAD-89	WRRTF Area
TAN-763	Evaporation pond				Unlined process water pond - WRRTF Area	Out of service		No		HAD-89	WRRTF Area
TAN-766	Diesel fuel oil tank (DF-T-14)				50,000 gal. underground tank south of TAN-630. Under berm and part of foundation structure.	Out of serviceOut of service		No			CTF/LOFT Area 50,000 gal

Exhibit C.9a Test Area North Facilities - Deactivate/Demolish

TAN-767A	Boiler fuel tank (FO-T-13A)			TAN-767A Located south of TAN-630 (middle tank). Built: 1959. Inactive process tank. Volume: 132000 L (35000 gal) capacity. Construction type: Steel. underground. Inventory number: 98TAN00058. Under berm and part of foundation structure.	Out of service		No		HAD-107	CTF/LOFT Area oil tank 35,000 gal
TAN-767B	Boiler fuel tank (FO-T-13B)			TAN-767B Located south of TAN-630 (east tank). Built: 1959. Inactive process tank. Volume: 132000 L (35000 gal) capacity. Construction type: Steel. Underground. Inventory number: 98TAN00059. Under berm and part of foundation structure.	Out of service		No		HAD-107	CTF/LOFT Area oil tank 35,000 gal
TAN-768	South electrical substation			TAN-768 is the south electrical substation, which is a fenced area adjacent to TAN-624 on the west side. Area: 74 m 2 (790 ft 2). Fenced yard. Transformer: 5-786, Capacity: 1000 kVA, Voltages: 13.8 kVA to 480 V. Transformer: 5-231, Capacity: 1500 kVA, Voltages 13.8 kV to 480 V.	Still in limited service		No		ASA-650, HAD-89	CTF/Loft Area
TAN-770	Liquid nitrogen tank			500 gal., vertical, cylindrical, metal tank.	Out of service		No			TSF Area, Out of service/not in use North of TAN-607
TAN-771	Sulfuric acid tank			TAN-771 is the sulfuric acid tank, and all sulfuric acid has been drained from the tank. 500 gal. Above-ground, horizontal	Empty and out of service		No		ASA-650	CTF/Loft Area, Out of service, Pending D&D
TAN-765	Slop tank			2,000 gal., underground tank	Out of service		No			CTF/LOFT Area Tank# 114, 200 gal. Pending D&D
TAN-774	Concrete slab			TAN-774 Located south of TAN-665. Area: 42 m 2 (450 ft 2). Utilities: none.	Out of service		No			CTF/LOFT Area
TAN-778	Water blowdown tank (TSF)			1,150 gal., vertical, metal, above-ground tank.	Boiler blow-down tank is in service in support of TAN-603 boilers		No		HAD-89	In Operations supports TAN-603 Boilers
TAN-780	Tank pad			Twin concrete pedestals for tank. Tank has been removed.	Out of service		No			
TAN-790	Abnormal waste storage pad			TAN-790 The TMI-2 Abnormal Waste Storage Pad is located approximately 350 ft west of TAN-607. The pad is constructed of 8-in.-thick reinforced concrete. The pad is sloped slightly to enhance run-off. A gutter on the north side of the pad drains to a single outlet. A small basin near the outlet provides a collection point for water samples for radiological analysis.	Stores three concrete casks. Two of the casks are empty. One cask contains CUNO filters which were part of a system used to filter contaminated water from the TMI nuclear accident. There is currently no disposition path for the filters.		Minor possible		SAR-208 (Draft)	Hazard Category 2: TAN Operations area consists of TAN-607, TAN-647, TAN-648, TAN-790, TAN-791, and TAN-1703. Two of three casks on pad are empty (TMI-II-01 and TMI-II-03). One contains TMI Demin System CUNO Filters which filtered water from TMI accident, contains an estimated 47 Ci, including 545 g of enriched uranium (8 g of U-235) and 1 g of plutonium.
TAN-791	Spent fuel storage pad			TAN-791 The Spent Fuel Storage Cask testing pad is located approximately 200 ft west of TAN-607. The south boundary of the testing pad is at approximately the same level as the railroad bed. The testing pad is constructed of 2-ft-thick reinforced concrete. It is sloped slightly to enhance run-off.Casks may be transferred between the testing pad and the TAN Hot Shop using the spent fuel cask transporter. There are different types of casks located on the testing pad.	The six SNF casks stored on TAN-791 are schedule to be removed and transported to INTEC during FY 2004.		Minor Possible		SAR0208 (draft)	Hazard Category 2: TAN Operations area consists of TAN-607, TAN-647, TAN-648, TAN-790, TAN-791, and TAN-1703. TAN SAR-208, Currently in use, Contains six SNF Storage casks.
TAN-795	TAN substation			Fenced concrete pad. Area: 16 m ² (175 ft ²). Transformer 5-141. Capacity: 500 KVA. Voltages: 13.8 kV to 480 V.	In use. Main service to TAN-607		No			South of TAN-607, Currently in use
TAN-798	Electrical substation (PREPP)			TAN-798 Located west side of TAN-607. Area: 7.2 m 2 (77 ft 2). Transformer 5-561. Voltage: 13.8 kV to 480 V.	In use.		No		HAD-89	Supported the PREPP Facility, West of TAN-607
TAN-799	Electrical substation			Only a ~ 15' X 30' concrete pad and limited wiring remains	Out of service		No			South of SMC Access road, CTF Area
TAN-1703	Waste Holding Tanks V1, V2, V3			The associated tanks include three 10,000-gal, horizontal stainless-steel tanks located approximately 10 ft underground and one 400-gal stainless-steel tank (V9) approximately 7 ft underground. The three liquid waste storage tanks (V1, V2, V3), collectively referred to as TAN-1703	Part of CERCLA OU 1-10 remedial action.		Yes	abg	ROD for OU 1-10, (AR DOE/ID-10682) October 1999. (amendment in process); SAR-208 (draft)	Hazard Category 2: TAN Operations area consists of TAN-607, TAN-647, TAN-648, TAN-790, TAN-791, and TAN-1703. See CERCLA ROD for OU 1-10. Shutdown Pending CERCLA cleanup. 10,000 gal. each. Rad. and haz. contaminated.
TAN-1704	Valve Pit			Part of TAN-1703 V-tank system	Out of service		Yes	abg		Shutdown pending CERCLA remediation. Near V-tanks. Rad. and haz. contaminated.
TAN-1707	Acid pit			Unlined pit south of TAN-648	Out of service		Minor probable	bg		Shutdown Pending D&D
TAN-1708	Pneumatic tank			6,000 gal. tank within berm on north side of TAN-630.	Out of service		No			At CTF/LOFT Shutdown Pending D&D
TAN-1710	Sand Tank			V-9 tank associated with TAN-607 and TAN-616 waste water system. V-9 contains 320 gal of waste, of which 200 to 250 gal are sludge.	Part of CERCLA OU 1-10 remedial action.		Yes	abg	ROD for OU 1-10, (AR DOE/ID-10682) October 1999. (amendment in process); SAR-208 (draft)	Part of CERCLA action. OU 1-10 ROD.
TAN-1723	Disposal Well (abandoned)			Waste water injection well	Out of service		No			AT WRRTF
TAN-1726	Disposal Well (IET)			Waste water injection well	Out of service		No			Details about this well are unclear, except that it is no longer in use.
TAN-1729	Cask storage pad			~ 75' X 20' concrete pad.	In service. Cask handling yokes stored on pad.		No		SAR 208	TAN-SAR, Currently in operation, TSF area near TAN- 666
TAN-1731	Substation			TAN-1731 Located west side of TAN-607A. Area: 71 m 2 (760 ft 2). Transformer: 5-941, 5-624. Voltage: 13.8 kV to 480 V.	In service. Services TAN-607A		No		HAD-89	SMC substation

TAN-1734	Emergency generator fuel tank				Located outside TAN-603. Underground tank built in 1994. 3800 L (1000 gal) capacity.	In service.		No		HAD-89	UST near TAN-607 Supplies Emergency Generator in TAN-607
TAN-1735	Emergency generator fuel tank				1,000 gal. underground tank.	In service		No			UST near TAN-603 Supplies Emergency Generator in TAN-603
TAN-1738	Heating oil tank				TAN-1738 Underground tank located outside TAN-641. 23000 L (6000 gal) capacity.	Out of service		No		HAD-89	AT WRRTF, 6000 gal
TAN-1743	Lift station				1743 SEWAGE LIFT STATION SOUTH OF TAN-643 (WRRTF) Area: 2.6 m ² (28 ft ²). 1.8 m (6 ft) diameter underground manhole lift station.	Out of service		No		HAD-89	WRRTF Area, Shutdown, South of TAN-643
TAN-1744	Lift station				1744 PROCESS WASTE WATER LIFT STATION Sewage lift station. Capacity: 1 gpm.	Out of service		No		HAD-89	WRRTF area, Shutdown, Process Waste Water Lift Station, South of TAN643
TAN-1746	Explosives bunker (6)				~ 20' X 20' fenced gravel pad with six 3' X 3' X 3' steel bunkers resting on concrete blocks.	Out of service		No			six bunkers, 1200 feet south of WRRTF fence area 32
TAN-1748	Ground water treatment facility	1	0	Early 1990s	This temporary system, housed in a temporary sprung structure storage unit, was used for a CERCLA interim remedial action (OU 1-07A), a ground water pump and treat system. It consists of out-of-service temporary modular air stripping equipment, 10,000 gal. surge tank, and misc. equipment.	Out of service		Minor probable	bg		Temp Structure West of TAN-711. Possible minor internal contamiantion - both organic and radioactive.